	Application No.	Applicant(s)
Notice of Allowability	10/078,635	JIN ET AL.
	Examiner	Art Unit
	Blane J Jackson	2685
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communic GHTS. This application is sub-	is application. If not included cation will be mailed in due course. <b>THIS</b>
1. This communication is responsive to 23 August 2004.		
2. A The allowed claim(s) is/are <u>1-8,11-29,31-37 and 39-49</u> .		
3. $\boxtimes$ The drawings filed on <u>19 February 2002</u> are accepted by the	ne Examiner.	
<ul> <li>4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some* c) None of the: <ol> <li>Certified copies of the priority documents have been received.</li> <li>Certified copies of the priority documents have been received in Application No.</li> <li>Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).</li> </ol> </li> <li>* Certified copies not received:</li> </ul>		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date leach sheet. Replacement sheet(s) should be labeled as such in the such as the application number (see 37 CFR 1) each sheet. Replacement sheet(s) should be labeled as such in the such sheet.	son's Patent Drawing Review ( . s Amendment / Comment or in .84(c)) should be written on the	the Office action of drawings in the front (not the back) of
DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATER	IAL must be submitted. Note the
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sum Paper No./Ma 08), 7: ⊠ Examiner's An	nil Date

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## **DETAILED ACTION**

## **Examiner's Amendment**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interviews with Mr. Howard Chin on 28 December 2004 and 7 January 2004. The application has been amended as follows:

As to claim 1, the following paragraph -- wherein the first antenna and second antenna each operating with a radio frequency (RF) filter, the two RF filters having non-overlapping pass bands for improving isolation between the transmitter sub-system and receiver sub-system. -- is inserted at the end of the claim.

Claim 9 is cancelled.

As to claims 31, 32, 33 and 34, -- 30 -- of "The method of claim 30" is deleted, and -- 26 -- is inserted.

## Allowable Subject Matter

2. Claims 1-8, 11-29, 31-37 and 39-49 are allowed. The prior art made of record failed to teach:

, **a** 

As to claim 1, a wireless enhancer including the first antenna and second antenna each operating with a radio frequency filter, the two RF filters having non-overlapping pass bands for improving isolation between the transmitter sub-system and receiver sub-system and the switch matrix is a transfer switch with four ports, the first port being connectable to the receiver sub-system, the second being connectable to the transmitter sub-system, the third port being connectable to the first antenna, the fourth port being connectable to the second antenna.

As to claim 26, a method for enhancing a wireless radio signal between a wireless terminal and a base transceiver station comprising scanning a predetermined frequency band of an operating spectrum of the receiver sub-system to determine a carrier frequency band of the incoming signal and adjusting a first carrier frequency for the first antenna based on the determined carrier frequency and at least one additional predetermined criterion.

As to claim 37, a wireless time division duplex (TDD) enhancer including a donor radio frequency band pass filter coupled between the donor antenna and the switch matrix.

## Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Blane J Jackson whose telephone number is (703) 305-5291. The examiner can normally be reached on Monday through Friday, 8:00 AM-5:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (703) 305-4385. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BJJ

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